December 11, 2001

#6
1/15/02

Application/Control Number: 09/747,268
Art Unit: 2632

In RE: Claims 1-9

Mr. Jeff Hofsass :

I'm an Electronic Technician here in Chicago for over twenty years. While viewing the local nigthly news in the fall of 1999, I witnessed a tragic fire death that taken the life of an beloved community activist. Whereby, this fire originated in the basement (remote area) family member was asleep on second floor level during early morning hours. Accordings to **Chicago Fire Department** report, there was working individual smoke detector units installed in the home, on the first and second floor level and was not enough to save there life. **Figures 3.1** drawing of Patent writing is base on this fire tragedy, whereas smoke detector alarm sound alerting basement area only, family member was partly alert or not at all. I thought of my own family, and went to work, in developed a smoke detector to overcome these shortcomings. Photo page (1) one enclosed, is a front side and rear view of the home we purchase here in Chicago 1999 with security bars on all the first floor and basement level windows. **Fig. 3.2** drawing of Patent writing illustrated the solution for remote areas. The Multiple Area Smoke Detector system I developed, is designed to alert families such as myself with children less than five years old sleeping in different rooms or areas of the home or building.. Photo page (2) two enclosed, is a photo of the first complete models **dated 2 20 '00** and a photo of the Inventor holden one working model **dated 3 06 '00. Photo page**

submitted with **Provisional Patent Application,** filing date 08/01/00, application number **60/222,300** displaying working models enclosed. Shortly after completing working models I visit the **Patent and Trademark Depository Library** here in Chicago whereby I did a complete search related to smoke detectors under **class: 240 and 250, subclass 381, 629, 438, 573 and 574.** Therefore by not finding any previous or present smoke detector units application on file incorparated with a **smoke detector unit, RF codelock transmitter and receiver circuit, manual and RF transmitter reset switches, tone generator, lamp indicator, and timer circuits,** after which learning these things, again I've file a Provisional Patent Application.Whereupon receiving Filing Receipt 10/30/2000, it further assured me that there was no other invention like this in the United State of America. Whereby knowing these things I've filed a Utility Patent Application 12/26/00.

Please find closed :

Two photo's pages, Provisional Patent Application Filing Receipt, Nonprovisional Patent Application , nine new Patent Application Claims four pages, and a package drawing demostration one page.

Thank you kindly.

Most Sincerely,

Mr. Bernard Vining

PATENT CLAIM
09/747,268

What is claimed is :

(1) A multiple area smoke detector system, said with ability to transmitt *rf* radio frequency tuned codelock signal to other rooms or areas in the same building, said where emergency smoke conditions may have occured, remotely sounding audible alarms signals said alerting these areas ;

said individual source smoke detectors units used to detect smoke hazard conditions are incorporating parts ;

each of the said incorporating source smoke detectors units including :

said an commerical smoke detector unit, which is, said inbodied with ionization chamber said detection of smoke particles, said audible alarm to alert of isolated smoke hazard conditions;

said including commerical codelock transmitter circuit tuned to operate on the same *rf* radio frequency :

said for transmitting *rf* radio frequency tuned codelock signal, said to communicate with *rf* radio frequency tuned codelock receivers used in ,said single building to be protected ;

said including commerical codelock receiver circuit tuned to operate on the same *rf* radio frequency ,said for receiving tranmitted *rf* radio frequency tuned codelock signal said from *rf* tuned codelock transmitter circuits used said in a single building to be protected.

(2) Multiple area smoke detector system, said further including timers circuits :

timer circuit said for receiving electrical voltage pulse said from commerical smoke detector unit ;

time circut said to start system ;

timer circuit said for turning on false alarm visual lamp indicator,

timer circuit said for turning off false alarm visual lamp indicator ,

time circuit said for turning on triggered source smoke detector visual signal indicator,

time circuit said for turning off triggered source smoke detector visual signal indicator,

timer circuit electrical voltage pulse said for preventing transmitter circuit from, said transmitting *rf* radio frequency tuned codelock signal ;

said timer circuit for actuating transmitter circuit said to generates *rf* radio frequency tuned codelock signal to said actuates *rf* radio frequency tuned codelock receivers cirtcuit ;

said including tone generator circuit :

local tone generator circuit, said for generating audible signal ,

said including reset circuitry :

said for retting individual source smoke detector, said retting system ;

said including, individual source smoke detector, said each voltage supply operate on individual voltage dc / ac wall plugs adopter.

(3) Multiple area smoke detector system as in claim 2 , wherein, when a individual source smoke detector, local detecting unit detected smoke hazard conditions, said a

incorporating electrical signal is generated to a connecting timer circuit, wherein said, electrically connected to false alarm timer circuit ,said which display visual signal indicator during timer interval, said identifing where smoke hazard conditions originated, said a second visual lamp indicator electrically connected to a timer circuit , further displaying individual source smoke detector unit energized by smoke hazard conditions.

(4) Multiple area smoke detector system as in claims 1,2 and 3, wherein, said when false alarm timer circuit interval time out, said a incorporating electrical signal is generated to energize transmitter circuit, said transmitter generates a *rf* radio frequency tuned codelock signal, said to actuate local and associated *rf* radio frequency tuned receivers circuits used to protected rooms or areas in a single building.

(5) Multiple area smoke detector system as in claims, 1,3 and 4, wherein said false alarm timer interval time out, said electrical signal for false alarm visual signal indicator is turned-off ; said trigger source smoke detector second visual signal indicator electrical connected to a timer circuit, said remains on ,identifing triggered sourece detector unit, said until timer interval times out .

(6) Multiple area smoke detector system as in claims ,1,2,3,4 and 5, wherein said where *rf* radio frequency tuned codelock local and associated receivers circuits is energized, said receivers outputs controllers changes states, said a incorporating electrical voltage signal is generated by receivers circuits to local and associated tone generators circuits, said produced audible signal, said to alert in rooms or areas to protected in a single building of smoke hazard conditions.

(7) Multiple area smoke detector system as in claims 2,3,4 and 6, said receivers outputs controller changes states, said digital logic gate signal, said reset timer, resetting triggered source smoke detector unit, said incorporating voltage signal is switch off depowering local smoke detector, said inhibiting further actuation of the system, said until it is reset.

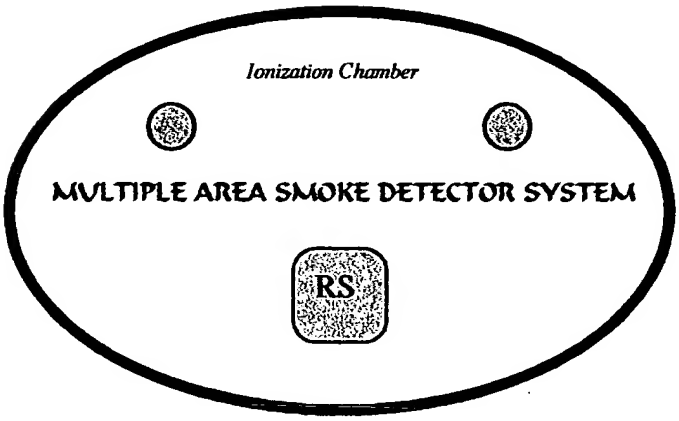
(8) Multiple area smoke detector system as in claims 2,3 ,4 and 7, said wherein system contains reset circuitry, said for resetting triggered source smoke detector unit, said before false alarm timer interval expire, said by pressing and releasing manual *rf* radio frequency tuned codelock switch controller on unit twice in succession transmitting *rf* radio frequency tuned codelock signal , said to *rf* radio frequency tuned receiver circuit output controller , said reset triggered source smoke detector unit ; said resetsystem after false alarm timer interval expires, said pressing and releasing manual *rf* switch controller on unit once, transmitting *rf* radio frequency tuned codelock signal,said to *rf* radio frequency tuned receiver circuit output controller, said reset system.

(9) Multiple area smoke detector system as in claim 8, said system have the ability to be reset, said from another source smoke detector switch controller, said other than the one that was triggered by smoke hazard conitions, said system have the ability to be reset, said by switch contoller on hand held *rf* radio frequency tuned codelock transmitter unit.

PHOTO PAGE ONE (B)

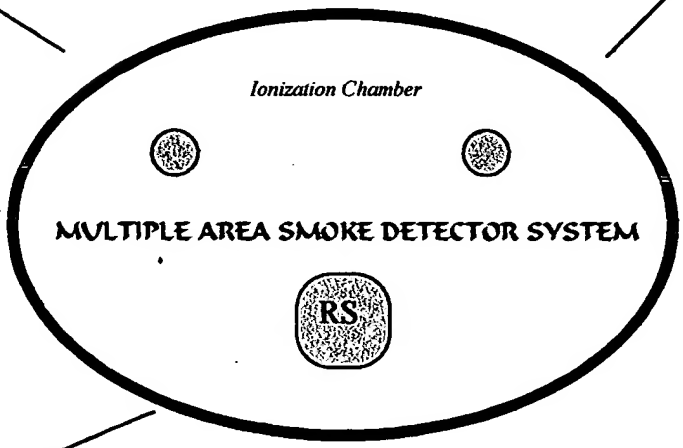
MULTIPLE AREA SMOKE DETECTOR SYSTEM

By Brenard Vining US PATENT PENDING 2000

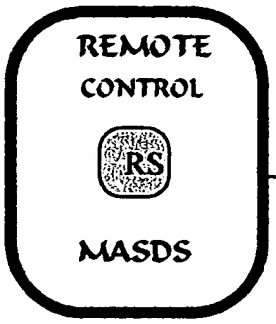


'' False Alarm '' *Visual Lamp indicator*

'' Triggered Source Smoke Detector '' *Visual Lamp Inciator*



Manual *rf* Reset Switch



rf Remote Reset Switch

Packages of Two, Three, Four and Five. Selected by rooms or areas in single Building to be Protected.

PHOTO PAGE ONE (A)

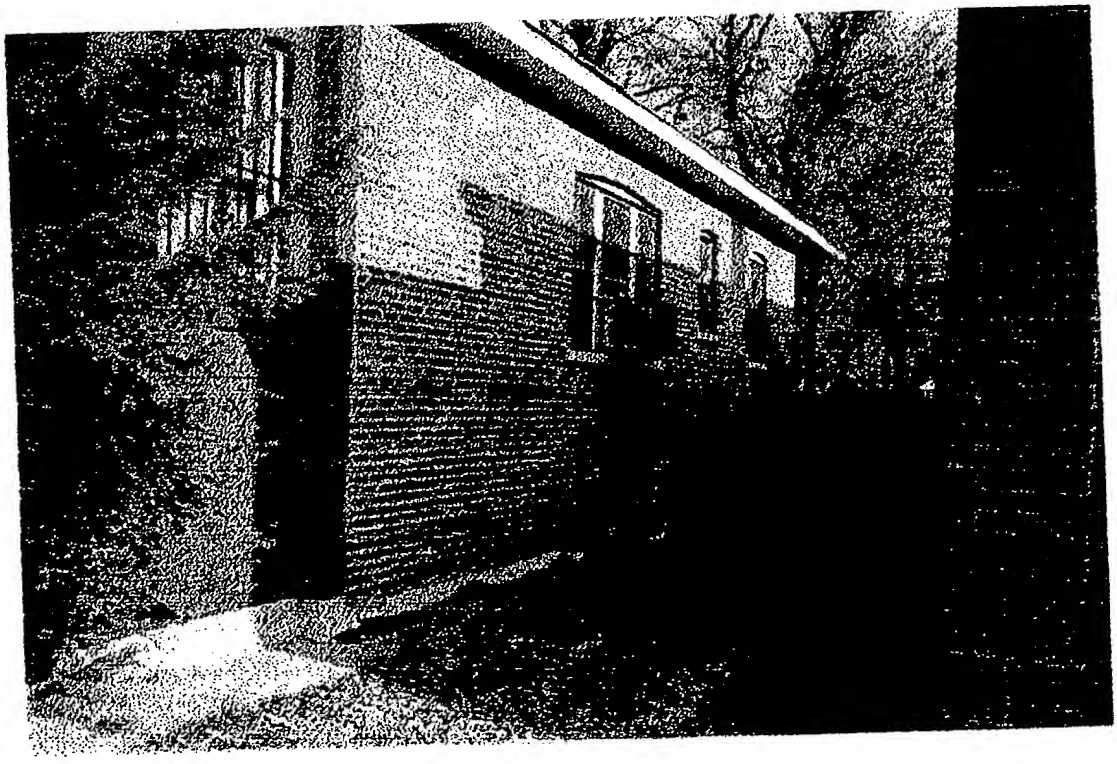
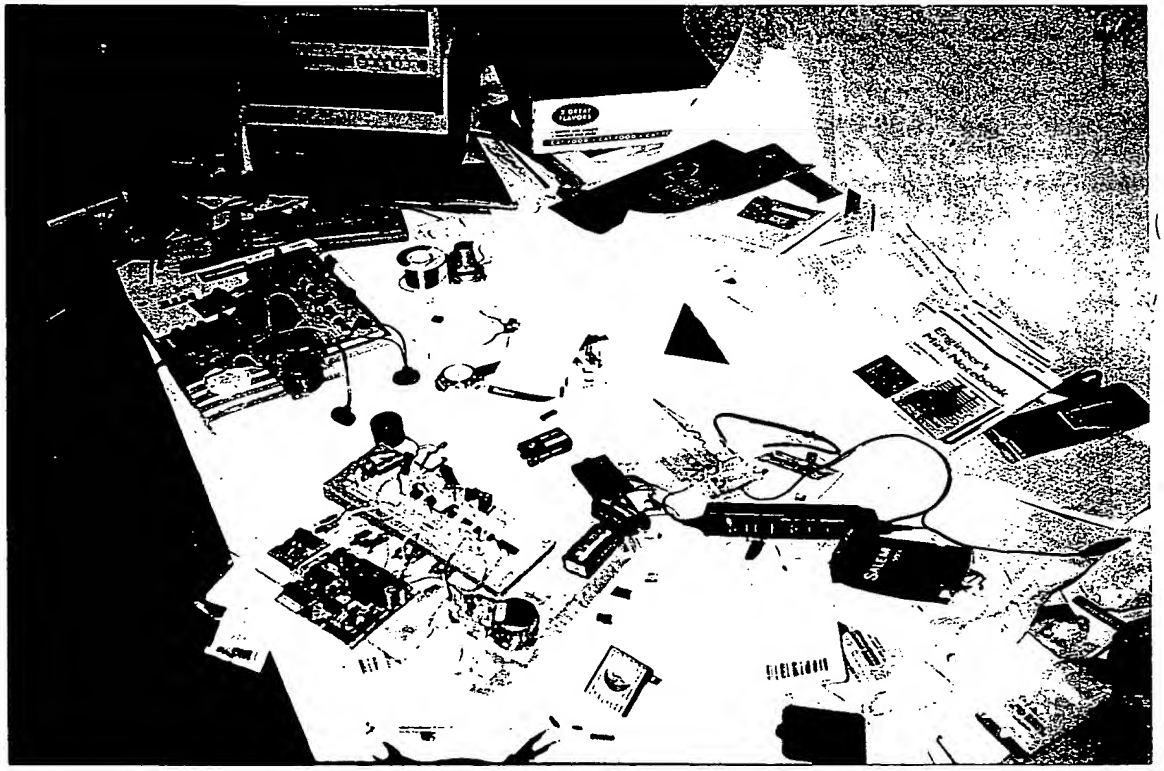


PHOTO PAGE TWO ( )



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UNITED STATES PATENT AND TRADEMARK OFFICE
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/747,268	12/26/2000	2632	355		6	9	3

CONFIRMATION NO. 2695

BERNARD VINING
6419 SOUTH TROY STREET
CHICAGO, IL 60629

FILING RECEIPT

"OC000000005767188"

Date Mailed: 02/15/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Bernard Vining, Chicago, IL;

Continuing Data as Claimed by Applicant

THIS APPLN CLAIMS BENEFIT OF 60/222,300 08/01/2000

Foreign Applications

If Required, Foreign Filing License Granted 02/08/2001

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Multiple area smoke detector system

Preliminary Class

340

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[redacted]
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
60/222,300	08/01/2000		75		6		

Bernard Vining
6419 South Troy Street
Chicago, IL 60629

FILING RECEIPT

OC000000005513454

Date Mailed: 10/30/2000

Receipt is acknowledged of this provisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Bernard Vining, Chicago, IL ;

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 10/27/2000

**** SMALL ENTITY ****

Title

Multiple area smoke detector system

Preliminary Class

Data entry by : WITCHER, TARA **Team : OIPE** **Date: 10/30/2000**

2632

Office Action Summary

Application No.	Applicant(s)
09/747,268	VINING, BERNARD
Examiner	**Art Unit**
Edward Lefkowitz	2632

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *17 April 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-9* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-9* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other:

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Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/747,268	12/26/00	VINING	B

EXAMINER	
LEFKOWITZ,E	
ART UNIT	PAPER NUMBER
2632	5

WM01/1003

BERNARD VINING
6419 SOUTH TROY STREET
CHICAGO IL 60629

DATE MAILED: 10/03/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks